# **Massachusetts Bay Transportation Authority**

2016 Annual Agency Profile

**Database Information** 

**NTDID**: 10003

Reporter Type: Full Reporter

10 Park Plaza Chief Financial Officer: Mr. Michael Abramo Boston, MA 02116-3974

## **General Information Urbanized Area Statistics - 2010 Census**

Boston, MA-NH-RI

1,873 **Square Miles** 

4,181,019 **Population** 10 Pop. Rank out of 498 UZAs

#### **Other UZAs Served**

81 Worcester, MA-CT, 269 Leominster-Fitchburg, MA, 39 Providence, RI-MA, 0 Massachusetts Non-UZA

**Service Area Statistics** 

3,244 **Square Miles** 3,109,308 **Population** 

# **Service Consumption**

1,833,614,920 Annual Passenger Miles (PMT) 403,003,734 Annual Unlinked Trips (UPT) 1,315,892 Average Weekday Unlinked Trips

721,827 Average Saturday Unlinked Trips 502,463 Average Sunday Unlinked Trips

## **Service Supplied**

95,755,411 Annual Vehicle Revenue Miles (VRM) 6,685,428 Annual Vehicle Revenue Hours (VRH) 2,374 Vehicles Operated in Maximum Service (VOMS) 2,928 Vehicles Available for Maximum Service (VAMS)

## **Modal Characteristics**

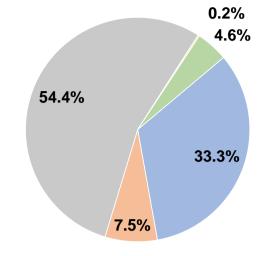
	Vehicles Operated								
Modal Overview	in Maximum Service		Uses of Capital Funds						
_	Directly	Purchased	Revenue	Systems and	Facilities and				
Mode	Operated	<b>Transportation</b>	Vehicles	Guideways	<b>Stations</b>	Other	Total		
Commuter Rail	-	421	\$126,102,696	\$86,785,265	\$42,011,039	\$0	\$254,899,000		
Demand Response	-	612	\$0	\$0	\$0	\$0	\$0		
Ferryboat	-	9	\$1,682,268	\$0	\$2,762,082	\$0	\$4,444,350		
Heavy Rail	336	-	\$33,751,679	\$67,639,015	\$52,042,376	\$1,425,365	\$154,858,435		
Light Rail	156	-	\$25,372,818	\$164,222,957	\$27,977,793	\$725,730	\$218,299,298		
Bus	779	9	\$71,225,698	\$3,215,439	\$1,755,023	\$256,487	\$76,452,647		
Bus Rapid Transit	30	-	\$0	\$277,583	\$859,542	\$0	\$1,137,125		
Trolleybus	22	-	\$0	\$366,806	\$0	\$0	\$366,806		
Total	1,323	1,051	\$258,135,159	\$322,507,065	\$127,407,855	\$2,407,582	\$710,457,661		

## **Financial Information**

**Sources of Operating Funds Expended** Fare Revenues \$619,056,044 33.3% Local Funds \$140,074,530 7.5% \$1,010,902,062 State Funds 54.4% \$4,000,000 0.2% Federal Assistance 4.6% Other Funds \$85,782,506 **Total Operating Funds Expended** \$1,859,815,142 100.0%

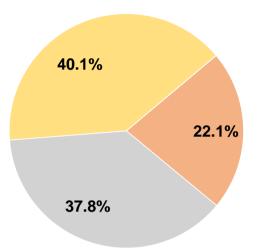
## **Sources of Capital Funds Expended**

Fare Revenues \$0 0.0% Local Funds \$157,038,257 22.1% 37.8% State Funds \$268,214,576 Federal Assistance \$285,204,828 40.1% Other Funds \$0 0.0% 100.0% \$710,457,661 **Total Capital Funds Expended** 



**Operating Funding Sources** 

### **Capital Funding Sources**



**Average** 

# **Summary of Operating Expenses (OE)**

Salary, Wages, Benefits	\$740,279,964	49.3%
Materials and Supplies	\$128,310,905	8.5%
Purchased Transportation	\$470,894,607	31.4%
Other Operating Expenses	\$161,603,216	10.8%
<b>Total Operating Expenses</b>	\$1,501,088,692	100.0%
Reconciling OE Cash Expenditures	\$358,726,450	
Purchased Transportation		
(Reported Separately)	\$0	

## **Operation Characteristics**

	Operating		Uses of	Annual	Annual	<b>Annual Vehicle</b>	<b>Annual Vehicle</b>	Directional	for Maximum	in Maximum	Percent F	leet Age in
Mode	Expenses	<b>Fare Revenues</b>	<b>Capital Funds</b>	Passenger Miles	<b>Unlinked Trips</b>	<b>Revenue Miles</b>	<b>Revenue Hours</b>	<b>Route Miles</b>	Service	Service	Spare Vehicles	Years <sup>a</sup>
Commuter Rail	\$403,654,786	\$198,331,440	\$254,899,000	697,963,284	33,830,904	23,532,668	785,000	776.1	480	421	12.3%	23.0
Demand Response	\$102,005,012	\$6,004,661	\$0	17,047,364	2,187,785	17,828,666	1,273,984	0.0	799	612	23.4%	4.0
Ferryboat	\$13,357,578	\$9,882,834	\$4,444,350	12,027,991	1,466,612	230,425	23,538	38.4	9	9	0.0%	24.5
Heavy Rail	\$353,373,437	\$222,241,032	\$154,858,435	612,346,781	174,517,352	23,247,288	1,521,944	76.3	432	336	22.2%	28.0
Light Rail	\$186,021,573	\$82,500,965	\$218,299,298	171,740,181	64,538,406	6,499,541	703,128	51.0	219	156	28.8%	23.7
Bus	\$412,610,862	\$86,609,704	\$76,452,647	298,780,401	113,777,520	23,094,706	2,223,094	6.1	927	788	15.0%	11.6
Bus Rapid Transit	\$20,322,531	\$11,818,751	\$1,137,125	20,862,301	11,371,335	1,064,618	126,294	10.4	34	30	11.8%	11.6
Trolleybus	\$9,742,913	\$1,666,656	\$366,806	2,846,617	1,313,820	257,499	28,446	21.6	28	22	21.4%	12.0
Total	\$1,501,088,692	\$619,056,043	\$710,457,661	1,833,614,920	403,003,734	95,755,411	6,685,428	979.9	2,928	2,374	18.9%	

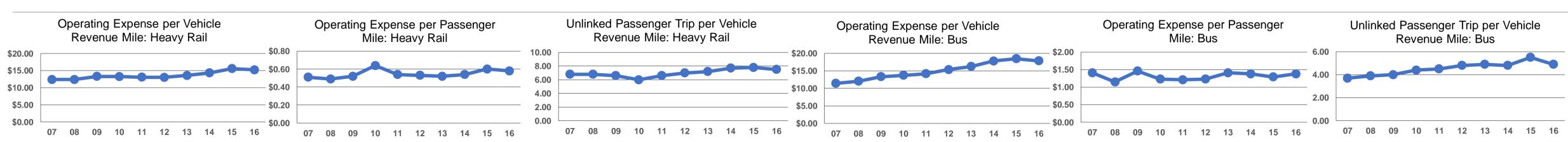
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Performance Measures	Service Efficiency				
	Operating Expenses per	Operating Expenses per			
Mode	Vehicle Revenue Mile	Vehicle Revenue Hour			
Commuter Rail	\$17.15	\$514.21			
Demand Response	\$5.72	\$80.07			
Ferryboat	\$57.97	\$567.49			
Heavy Rail	\$15.20	\$232.19			
Light Rail	\$28.62	\$264.56			
Bus	\$17.87	\$185.60			
Bus Rapid Transit	\$19.09	\$160.91			
Trolleybus	\$37.84	\$342.51			
Total	\$15.68	\$224.53			

## **Service Effectiveness**

	Operating Expenses per	Operating Expenses per	Unlinked Trips per	Unlinked Trips per
Mode	Passenger Mile	Unlinked Passenger Trip	Vehicle Revenue Mile	Vehicle Revenue Hour
Commuter Rail	\$0.58	\$11.93	1.4	43.1
Demand Response	\$5.98	\$46.62	0.1	1.7
Ferryboat	\$1.11	\$9.11	6.4	62.3
Heavy Rail	\$0.58	\$2.02	7.5	114.7
Light Rail	\$1.08	\$2.88	9.9	91.8
Bus	\$1.38	\$3.63	4.9	51.2
<b>Bus Rapid Transit</b>	\$0.97	\$1.79	10.7	90.0
Trolleybus	\$3.42	\$7.42	5.1	46.2
Total	\$0.82	\$3.72	4.2	60.3

Fixed Guideway Vehicles Available Vehicles Operated



#### Notes:

<sup>a</sup>Demand Response - Taxi (DT) and non-dedicated fleets do not report fleet age data.